

ATGACCGCTATGACCACTGCAATTACAGCCAGATCGTTCTCGATACCGAAACACCAGGATGATGAACCAAGATTGGT 75
 M T A M S T A I T R Q I V L D T E T T G M N Q I G
 GCGCACTATGAAGGCCACAAGATCATTCAGATTGGTGCCGTGAAGTGGTGAACCGTCGCCCTGACGGGCAATAAC 150
 A H Y E G H K I I E I G A V E V V N R R L T G N N
 TTCCATGTTTATCTCAAACCCGATCGGCTGGTGATCCGGAAGCCTTTGGCGTACATGGTATTGCCGATGAATTT 225
 F H V Y L K P D R L V D P E A F G V H G I A D E F
 TTGCTCGATAAGCCACGTTTCCCGAAGTAGCCGATGAGTTCATGGACTATATTCGCGGCGCGGAGTTGGTGATC 300
 L L D K P T F A E V A D E F M D Y I R G A E L V I
 CATAACGAGCGTTTCGATATCGGCTTTATGGACTACGAGTTTTCGTTGCTTAAGCGCGATATCCGAAGACCAAT 375
 H N A A F D I G F M D Y E F S L L K R D I P K T N

FIG._1A

2 / 10

ACTTCTGTAAAGGTCACCGATAGCCTTGGGGTGGAGGAAATGTTTCCCGTAAAGCGCAACAGCCICGATGCG 450
 T F C K V T D S L A V A R K M F P G K R N S L D A
 TTATGTCICGCTACGAAATAGATAACAGTAACGAACGCTGCACGGGGCATTACTCGATGCCAGATCCTTGCG 525
 L C A R Y E I D N S K R T L H G A L L D A Q I L A
 GAAGTTTATCTGGCGATGACCGGTGGTCAAAACGTCGATGGCTTTTGGCATGGAAGGAGAGACACACAGCAACAA 600
 E V Y L A M T G G Q T S M A F A M E G E T Q Q Q
 GGTGAAGCAACAATTCAGCGCATTGTACGTCAGGCAAGTAAGTTACCGGTTGTTTTGCGACAGATGAAGAGATT 675
 G E A T I O R I V R Q A S K L R V V F A T D E E I
 GCAGCTCATGAAGCCCGTCTCGATCTGGTGCAGAAGAAAGCGGAAGTTGCTCTGGCGAGCATAA 741
 A A H E A R L D L V Q K K G G S C L W R A .

FIG._1B

3 / 10

10	20	30	40	50	60	
10	ATGAGCTATCGTATGTTTGTGATTATCTGGTTCCAAATGTGTAAC					Eb_429T.dna
10	ATGAGCTATCGTATGTTTGTGATTATCTGGTTCCAAATGTGTAAC					Eb_GEBT.dna
70	80	90	100	110	120	
70	GTTTCGTGTTGTCACGCGCTGCCAGCTGCTGGGGGGGTAAAAAG					Eb_429T.dna
70	GTTTCGTGTTGTCACGCGCTGCCAGCTGCTGGGGGGGTAAAAAG					Eb_GEBT.dna
130	140	150	160	170	180	
130	GATAAGGCGCTGCGCGCCATTAAAGACGGTGCTGTCGATCAGAC					Eb_429T.dna
130	GATAAGGCGCTGCGCGCCATTAAAGACGGTGCTGTCGATCAGAC					Eb_GEBT.dna
190	200	210	220	230	240	
190	GCGGCCGGTATTGAGGTTGGTCAATTTTCGACGGGGGTCGAG					Eb_429T.dna
190	GCGGCCGGTATTGAGGTTGGTCAATTTTCGACGGGGGTCGAG					Eb_GEBT.dna
250	260	270	280	290	300	
250	GTGCTCGACGGCCTGGCCATGTTCCGTAAGAGCAGTCCGACATG					Eb_429T.dna
250	GTGCTCGACGGCCTGGCCATGTTCCGTAAGAGCAGTCCGACATG					Eb_GEBT.dna

FIG.-2A

4 / 10

310	310	320	330	340	350	360	
310	G G C G G C A G C C C G C G A C T G C G G G T A A A G G C A T T G G T A T T G C G G C C A C C C A C C C G G G T G A T						Eb_429T.dna
310	G G C G G C A G C C C G C T C G A C T G C G G T A A A G G C A T T G G T A T T G C G G C C A C C C A C C C G G G T G A T						Eb_GEBT.dna
370	370	380	390	400	410	420	
370	C T G T A C A G C T A T G C C G G T A T C G A A A C A C T C A C C A A C C C G C T G C C G C C C A T T A T T G C G G T C						Eb_429T.dna
370	C T G T A C A G C T A T G C C G G T A T C G A A A C A C T C A C C A A C C C G C T G C C G C C C A T T A T T G C G G T C						Eb_GEBT.dna
430	430	440	450	460	470	480	
430	A A C A C C A C C G C C G G G A C C G C C A G C G A A G T C A C C C G C C A C T G C G T G C T G A C T A A C A C C A A A						Eb_429T.dna
430	A A C A C C A C C G C C G G G A C C G C C A G C G A A G T C A C C C G C C A C T G C G T G C T G A C T A A C A C C A A A						Eb_GEBT.dna
490	490	500	510	520	530	540	
490	A C C A A A G T A A A A T T T G T G A T T G T C A G C T G G C G C A A C C T G C C T T C C G T C T C C A T T A A C G A T						Eb_429T.dna
490	A C C A A A G T A A A A T T T G T G A T T G T C A G C T G G C G C A A C C T G C C T T C C G T C T C C A T T A A C G A T						Eb_GEBT.dna
550	550	560	570	580	590	600	
550	C C G C T G C T G A T G A T C G G C A A G C C C C G C C G G G C T G A C C G C C G C C A C C G G G A T G G A T G C C C T G						Eb_429T.dna
550	C C G C T G C T G A T G A T C G G C A A G C C C C G C C G G G C T G A C C G C C G C C A C C G G G A T G G A T G C C C T G						Eb_GEBT.dna

FIG._2B

5/10

610	ACCCACGCGGTAGAGGCCCTATATCTCCAAAGACGCCAACCCGGTTACCGATGCCCTCTGCT	660	Eb_429T.dna
610	ACCCACGCGGTAGAGGCCCTATATCTCCAAAGACGCCAACCCGGTTACCGATGCCCTCTGCT	660	Eb_GEBT.dna
670	ATTCAGGCCATCAAACTGATTGCCAACCTTGCGGCCAGGCCGTCGCCCTGGGGACCAAC	720	Eb_429T.dna
670	ATTCAGGCCATCAAACTGATTGCCAACCTTGCGGCCAGGCCGTCGCCCTGGGGACCAAC	720	Eb_GEBT.dna
730	CTCAAAGCCCGTGAAACAATGGCCCTCTCTGCTGGCCGGGATGGCCCTTTTAAACAAC	780	Eb_429T.dna
730	CTCAAAGCCCGTGAAACAATGGCCCTCTCTGCTGGCCGGGATGGCCCTTTTAAACAAC	780	Eb_GEBT.dna
790	GCCAAACCTGGGCTATGTTACGCGCCATGGCTCACAGCTGGCGGGCTGTACGACATGGCC	840	Eb_429T.dna
790	GCCAAACCTGGGCTATGTTACGCGCCATGGCTCACAGCTGGCGGGCTGTACGACATGGCC	840	Eb_GEBT.dna
850	CACGGGGTGGCGAACGCGGTCCTGCTGCCCCCATGTTGTCGCGCTATAACCTGATTGGCCAAC	900	Eb_429T.dna
850	CACGGGGTGGCGAACGCGGTCCTGCTGCCCCCATGTTGTCGCGCTATAACCTGATTGGCCAAC	900	Eb_GEBT.dna

FIG._2C

6/10

910	CCGAAAAAATTTGCCGATATCGCCACCTTTATGGGGGAAAAACACCA	940	950	960	Eb_429T.dna
910	CCGAAAAAATTTGCCGATATCGCCACCTTTATGGGGGAAAAACACCA	940	950	960	Eb_GEBT.dna
970	ATGGACGACGCGGAGCTGGCCATCAGCGCCATTGGCCCGTCTGTCTAAAGATGTCGGGATC	1000	1010	1020	Eb_429T.dna
970	ATGGACGACGCGGAGCTGGCCATCAGCGCCATTGGCCCGTCTGTCTAAAGATGTCGGGATC	1000	1010	1020	Eb_GEBT.dna
1030	CCGACGACCTGCGTGAACTGGGGTAAAGAGGCCGACTTCCCGTACATGGCAGAAATG	1060	1070	1080	Eb_429T.dna
1030	CCGACGACCTGCGTGAACTGGGGTAAAGAGGCCGACTTCCCGTACATGGCAGAAATG	1060	1070	1080	Eb_GEBT.dna
1090	GCCCTGAAAGACGGCAACGGCTTCTCTAACCCCGCGCAAGGGACGAAAAAGAGATTGCC	1120	1130	1140	Eb_429T.dna
1090	GCCCTGAAAGACGGCAACGGCTTCTCTAACCCCGCGCAAGGGACGAAAAAGAGATTGCC	1120	1130	1140	Eb_GEBT.dna
1150	GACATTTTCCGCCAGGCATTCTGA	1160	1170		Eb_429T.dna
1150	GACATTTTCCGCCAGGCATTCTGA	1160	1170		Eb_GEBT.dna

Decoration 'Decoration #1': Shade (with solid black) residues that differ from the Consensus.

FIG._2D

7 / 10

10	10	40	70	100	
10	MSYRMFDYLV	PNVNVNFFPG	AVSVV	QRCQL	GGKKALLVT Eb_429T.dna
10	MSYRMFDYLV	PNVNVNFFPG	AVSVV	QRCQL	GGKKALLVT Eb_GEBT.dna
130	130	160	190	220	
130	DKGLRAIKD	GAVDQTVV	HLKAA	AGIEVV	IFDGV
130	DKGLRAIKD	GAVDQTVV	HLKAA	AGIEVV	IFDGV
250	250	280	310	340	
250	VL DGLAMF	RKEQCDMI	ITVGGG	SPHDCG	KGIGIAATHPGD Eb_429T.dna
250	VL DGLAMF	RKEQCDMI	ITVGGG	SPHDCG	KGIGIAATHPGD Eb_GEBT.dna
370	370	400	430	460	
370	LYSYAGIET	LTNPLPPI	IAVNT	TAGTASE	VTRHCVLTNTK Eb_429T.dna
370	LYSYAGIET	LTNPLPPI	IAVNT	TAGTASE	VTRHCVLTNTK Eb_GEBT.dna
490	490	520	550	580	
490	TKVKFVI	VSNRNLPS	VSIND	PLLMIG	KPAGLTAATGMDAL Eb_429T.dna
490	TKVKFVI	VSNRNLPS	VSIND	PLLMIG	KPAGLTAATGMDAL Eb_GEBT.dna

FIG._3A

[illegible][illegible]

9 / 10

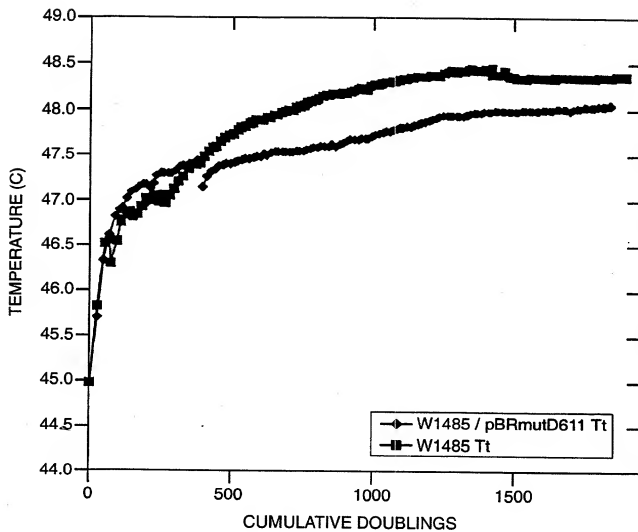


FIG._4

10 / 10

